

BIBLIOGRAPHICAL RECORD.

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Corrections of errors and notices of omissions are solicited.

Allen, Grant. Colour in nature. (Nature, 24 April 1879, v. 19, p. 580-581, 33 cm.)

Crit. rev., by A. R. Wallace, entitled, "Remarks by the reviewer." (Nature, 24 April 1879, v. 19, p. 581, 10 cm.)

Crit. rev. of A. R. Wallace's crit. rev., entitled, "Colour in nature. . . ." (Nature, 3 April 1879, v. 19, p. 501-505) [PSYCHE, Rec., no. 1718], of the author's "Colour sense: its origin. . ." [PSYCHE, Rec., no. 1648]. Colors of caterpillars very briefly discussed. G: D. (1647)

Allen, Grant. The colour-sense: its origin and development. An essay in comparative psychology. London, Trübner & Co., 1879. (The English and foreign philosophical library, v. 10.) 12 + 282 p., 22 × 14, t 15.5 × 8.8.

Imported sheets, with new imprint, Boston, Houghton, Osgood & Co., 1879. (The English and foreign philosophical library, v. 14.) 12 + 282 p., 22 × 14, t 15.5 × 8.8. cl., \$3.50.

Crit. rev., by A. R. Wallace, entitled "Colour in nature. . ." (Nature, 3 April 1879, v. 19, p. 501-505.)

Rev. and extracts (in Germ.) by Hermann Müller, entitled "Grant Allen, der Farbensinn, sein Ursprung und seine Entwicklung." (Kosmos [Leipzig], July 1879, bd. 5, p. 308-319, 427 cm.)

Crit. rev., by E. Krause, entitled "Nachschrift über Ideen-Adoptiv-Väter." (Kosmos [Leipzig], July 1879, bd. 5, p. 319-324, 209 cm.)

Crit. rev. (Biblioth. universelle et rev. suisse, No. 1879, an. 84, période 3, v. 4, p. 349-355.)

For reviews of Wallace's review, and further discussion, see WALLACE, A. R., "Colour in nature. . ." [PSYCHE, Rec., no. 1718] G: D. (1648)

Animal rubber. (Sci. amer., 3 Jan. 1880, v. 42, p. 3, col. 3, 3 cm.)

Upon niin from *coccus adiposera*. G: D. (1649)

[**Carboniferous butterflies.**] Gab es schon während der Steinkohlenzeit Schmetterlinge? (Kosmos [Leipzig], June 1879, bd. 5, p. 218-219, 42 cm.)

Reviews the questions under discussion in R. McLachlan's and A. R. Wallace's "Did flowers exist during the carboniferous epoch?" (Nature, April and May 1879) [PSYCHE, Rec., no. 1665, 1719, 1666]. G: D. (1650)

Cassino, S: E., ed. The naturalists' directory for 1878, containing the names of the naturalists of America north of Mexico, arranged alphabetically, and by departments; also a list of scientific societies, and a catalogue of obtainable scientific books, arranged by subjects. Salem, Naturalists' agency, 1878. 184 + 16 + 9 + 15 p., 20 × 13.

B: P. M. (1651)

Cocuyo (The), the brilliant fire-fly of the tropics. (Springfield [Mass.] d. republican, 30 April 1879, p. 3, col. 1, 10 cm.)

Extract from a letter from Vera Cruz, Mexico, in the N. Y. evening post. Describes the use of the cocuyo (*pyrophorus noctilucus*) as an ornament for the hair and clothing. G: D. (1652)

Dondé Ibarra, Joaquin. Ni-in. (La emulacion [Merida, Yucatan], 1879, v. 2, no. 11, p. 174-180.)

Abstract, entitled, "An oil-producing insect." (Sci. amer., 3 Jan. 1880, v. 42, p. 10, col. 1, 22 cm.)

Proposes the name *coccus adiposera* for the niin insect of Yucatan; describes the fatty secretion of this insect. G: D. (1653)

[**Dondé Ruiz, Juan.**] Al "Scientific american supplement." (La emulacion [Merida, Yucatan], July 1879, v. 3, no. 20-24, p. 316-317.)

Translation of, and notes upon a brief article entitled "An interesting insect," in *Scientific american supplement*, no. 184 (July 1879); on the niin insect (*coccus adiposera*) of Yucatan. G: D. (1654)

First paper-maker (The). (The paper world [Holyoke, Mass.], Jan. 1880, v. 1, p. 16, 25 cm.)

Wasps as paper-makers. G: D. (1655)

Giard, Alfred. Deux espèces d'entomophthora nouvelles pour la flore française et présence de la forme *tarichium* sur une muscide. (Bull. sci. du dépt. du nord, s. 2, an. 2, p. 353-363.)

Separate, with same paging, Lille, [1880]. 22 × 13.5, t 15 × 8.8.

Considers that only the first of the three names, *entomophthora*, *empusa* and *tarichium* ought to remain as a generic name, the others being forms of the first. These fungi reproduce themselves asexually during warm weather, when insects are abundant, but in the autumn they produce oospores to remain over winter. Describes *entomophthora calliphorae* (new species), form *tarichium*, from *calliphora vomitoria*, and gives notes upon *e. rimosus* and *e. megasperma*. G: D. (1656)

Graber, Vitus. Die Insekten. 1. Theil: Der Organismus der Insekten. Mit 200 Original-Holzschnitten. t.-p. cover, 8 + 404 p. 11. Theil, 1 Hälfte: Vergleichende Lebensgeschichte der Insekten. Mit 86 Original-Holzschnitten. t.-p. cover, 6 + 262 p. 11. Theil, 2 Hälfte: Vergleichende Lebens- und Entwicklungs-geschichte der Insekten. Mit 127 Original-Holzschnitten. t.-p. cover, 8 p. + p. 263-604. München, R. Oldenbourg; 1. Th. und 11. Th., 1 Hälfte, 1877; 11. Th., 2 Hälfte, 1879. (Die Naturkräfte. Eine naturwissenschaftliche Volksbibliothek, bd. 21-22.) complete, pap., 9 M.

Rev., entitled, "Graber's Insects." (Amer. nat., Oct. 1878, v. 12, p. 689-690; Dec. 1879, v. 13, p. 774-775.)

Rev., entitled, "Drei neue Werke über Insektenkunde." (Kosmos [Leipzig], March 1880, bd. 6, p. 487-488, 48 cm.)

An illustrated general work on the anatomy, comparative life-history, and development of insects. The author is professor of zoology in the Czernowitz University in Austria. G: D. (1657)

Graber, Vitus. Die tympanalen Sinnesapparate der Orthopteren. (Denkschrift d. kais. Akad. d. Wissensch., math.-naturwissensch. Classe, 1876, bd. 36, abth. 2, p. 1-140, pl. 1-10.) Separate, with t.-p. cover and t.-p., Wien, K. Gerold, 1876, 140 p., 10 pl., 31 × 25, t 24 × 17.2. Anatomical. G: D. (1658)

Hagen, Hermann August. Obnoxious pests. Suggestions relative to their destruction by Dr. Hazen [sic], read before the Thursday club, April 3, 1879. (Boston even. transcript, 11 April 1879, v. 52, no. 15946, p. 6, col. 2-3, 64 cm.)

Reprint. (Can. entom., June [July] 1879, v. 11, p. 110-114.)

Reprint, with large additions, entitled, "Destruction of obnoxious insects, phylloxera, potato beetle, cotton-worm, Colorado grasshopper, and greenhouse pests, by application of the yeast fungus." Cambridge, 1879. half t.-p. cover + 11 p., 23 × 15, t 17 × 9.6. [Sold by C. W. Sever, Cambridge, Mass.; price 10 cts.]

Rev. (Nation, 11 Dec. 1879, v. 29, p. 402-403, 10 cm.)

Rev. in E. Metschnikoff's "Zur Lehre über Insectenkrankheiten." (Zool. Anzeiger, 26 Jan. 1880, Jahrg. 3, p. 44-47.)

Rev. (Amer. nat., Feb. 1880, v. 14, p. 133-134.)

Summary of investigations and experiments made by several persons, leading to the conclusion that fly fungus (*empusa muscae*), common mould (*muco mucedo*), yeast fungus (*hormiscium cerevisiae*) and *achlya prolifer*, are different developments of the same species, and that insects sprinkled with or fed on beer mash or yeast fungus will become infested with spores and will be killed, besides communicating the disease to other insects. Hagen's original contribution to the subject is the suggestion that yeast fungus should be used as the propagator of the disease.

G: D., B: P. M. (1659)

Hagen, Hermann August. Destruction of obnoxious insects, phylloxera, potato beetle, cotton-worm, Colorado grasshopper, and greenhouse pests, by application of the yeast fungus. Cambridge, 1879. Half t.-p. cover + 11 p., 23 × 15, t 17 × 9.6. [Sold by C. W. Sever, Cambridge, Mass.; price 10 cts.]

Reprint, with large additions, of the author's "Obnoxious pests. . . ." [PSYCHE, Rec., no. 1659].

B: P. M. (1660)

Krause, Ernst. Nachschrift über Ideen-Adoptiv-Väter. (Kosmos [Leipzig], July 1879, bd. 5, p. 319-324, 209 cm.)

Crit. rev. of Grant Allen's "Colour sense: its origin and development. . . ." [PSYCHE, Rec., no. 1648], in which Krause accuses the author of taking, without acknowledgment, the theories of others. G: D. (1661)

Lelièvre, Ernest. Chrysalide piquée de *vanessa urticae*, "la petite tortue." (Feuille des jeunes naturalistes, Nov. 1879, an. 9, p. 15.)

Notes 228 ichneumons from one chrysalis. G: D. (1662)

Lelièvre, Ernest. Régime alimentaire de certaines espèces de lépidoptères. (Feuille des jeunes naturalistes, Oct. 1879, an. 9, p. 153-154.) Mentions a number of species of French diurnal lepidoptera which feed on excrement, decayed trees, ripe fruit, and upon the stagnant water of pools. G: D. (1663)

Léonard, Ad. Abondance du *colias edusa*, var. ♀ *helice* Hb. (Feuille des jeunes naturalistes, Jan. 1880, an. 10, p. 38.)

G: D. (1664)

McLachlan, Robert. Did flowers exist during the carboniferous epoch? (Nature, 17 April 1879, v. 19, p. 554, 6 cm.)

Crit. rev., by A. R. Wallace, with same title. (Nature, 24 April 1879, v. 19, p. 582, 10 cm.)

Answer to Wallace's crit. rev., by McLachlan, with same title. (Nature, 1 May 1879, v. 20, p. 5-6, 14 cm.)

"Mr. A. R. Wallace, in his review of Mr. Allen's 'The colour sense' (Nature, v. xix, p. 501), has been misled in supposing the fossil insect from the Belgian coal-fields, namely *breyeria borinensis*, may be a moth. . . . Thus we remain without any zoological evidence that would tend to prove the existence of flowering plants in the carboniferous age." G: D. (1665)

McLachlan, Robert. Did flowers exist during the carboniferous epoch? (Nature, 1 May 1879, v. 20, p. 5-6, 14 cm.)

Rev., entitled, "Gab es schon während der Steinkohlenzeit Schmetterlinge?" (Kosmos [Leipzig], June 1879, bd. 5, p. 218-219, 42 cm.)

Opposes the views expressed in A. R. Wallace's "Did flowers exist. . . ." (Nature, 24 April 1879, v. 19, p. 582 [PSYCHE, Rec., no. 1719]. G: D. (1666)

Marès, H. Du traitement des vignes phylloxérées. (Comptes rendus, 5 Jan. 1880, v. 90, p. 28-31.)

Abstract. (Rev. scientifique, 17 Jan. 1880, an. 9, p. 689, 7 cm.)

G: D. (1667)

Müller, Hermann. *Bombus masticatus*, ein Dysteleolog unter den alpinen Blumenbesuchern. (Kosmos [Leipzig], Sept. 1879, bd. 5, p. 422-431, 357 cm.)

Rev. and abstract by W. Trelease, entitled, "The humble bee a dysteleologist among alpine flower visitors." (Amer. nat., April 1880, v. 14, p. 288-291.)

Discusses the beneficial and injurious effects of *b. masticatus* upon flowers, and the means of protection of certain flowers against the incursion of this insect.

G: D. (1668)

Müller, Hermann. Grant Allen, der Farbensinn, sein Ursprung und seine Entwicklung. (Kosmos [Leipzig], July 1879, bd. 5, p. 308-319, 427 cm.)

Rev. and abstract of, with extracts (in Germ.) from G. Allen's "Colour sense: its origin and development. . . ." [PSYCHE, Rec., no. 1648].

G: D. (1669)

Oil-producing insect (An). (Sci. amer., 3 Jan. 1880, v. 42, p. 10, col. 1, 22 cm.)

Concerning the nin insect (here called *coccus adiposera*) and the oil from it; facts from *La emulacion* (Merida, Yucatan).

G: D. (1670)

Packard, Alpheus Spring, jr. Moths entrapped by an asclepiad plant, *physanthus*, and killed by honey bees. (Amer. nat., Jan. 1880, v. 14, p. 48-50.)

Discussion of the carnivorous habits of *apis mellifica*, based upon a letter from L. Thompson. Opinions of Professors Cook, Darwin, and Gray, and of Dr. Hermann Müller upon the modes of capture and of killing of insects by the flowers of plants, and upon carnivorous habits of bees.

G: D. (1671)

Patton, W. Hampton. A gall inhabiting ant. (Amer. nat., Feb. 1879, v. 13, p. 126-127.)

Describes *steganoma galliarum*, a new species of ant from Connecticut. This ant inhabits galls of *gelechia gallae-solidaginis* and of *emipis spongifica*, and frequents flowers of *viola* and *potentilla*.

G: D. (1672)

Pierce, Newton B. Sound-producing organs of the cricket. (Amer. nat., May 1879, v. 13, p. 322-324, 2 fig.)

Figures sound-producing organs of *gryllus*.

G: D. (1673)

Plötz, Carl. Die Hesperiiinen-Gattung *pyrrhopyga* und ihre Arten. (Entom. Zeitung . . . zu Stettin, Oct.-Dec. 1879, jahrg. 40, p. 520-538.)

Species from Mexico and southward.

G: D. (1674)

Potts, E. Shedding of the tracheae in the molting of insects. (Amer. nat., July 1879, v. 13, p. 454.)

Notice, by C. V. Riley, entitled, "The shedding of the tracheae and double cocoons." (Amer. nat., Oct. 1879, v. 13, p. 652.)

Observations on *bombyx mori*.

G: D. (1675)

Potts, E. Two chrysalids in the same cocoon [of *bombyx mori*]. (Amer. nat., July 1879, v. 13, p. 455.)

Notice, by C. V. Riley, entitled, "The shedding of the tracheae and double cocoons." (Amer. nat., Oct. 1879, v. 13, p. 652.)

G: D. (1676)

[**Proctotrupidae**, Very small specimen from amber.] (Amer. nat., Jan. 1879, v. 13, p. 62.)

G: D. (1677)

Reichenau, W. [Petroleum und Naphthalin] Als Mittel gegen Raubinsecten. (Zool. Anzeiger, 3 Nov. 1879, jahrg. 2, p. 573-574.)

G: D. (1678)

Reichenbach, H. Wie die Insekten sehen. (Daheim [Leipzig], 31 Jan. 1880, jahrg. 16, p. 284-286, 4 fig., 118 cm.)

Popular.

G: D. (1679)

Riley, C. Valentine. Locust flights east of the Mississippi. (Sci. amer., 16 Dec. 1876, v. 35, p. 392, col. 1-2, 67 cm., 2 fig.) (Trans. Kansas acad. sci., 1877, v. 5, p. 62-64.)

Treats of *caloptenus spretus* and *acridium americanum*.

G: D. (1680)

Riley, C. Valentine. The shedding of the tracheae and double cocoons. (Amer. nat., Oct. 1879, v. 13, p. 652.)

Notice of E. Potts' "Shedding of the tracheae in the molting of insects" (l. c., p. 454) [PSYCHE, Rec., no. 1675] and "Two chrysalids in the same cocoon" (l. c., p. 455) [PSYCHE, Rec., no. 1676].

G: D. (1681)

Riley, C. Valentine. The westward progress of the imported cabbage worm. (Amer. nat., June 1879, v. 13, p. 393.)

Spread of *pietis rapae* in the U. S.; remedies and preventive measures. From a paper read before the Missouri State Horticultural Society in Jan. 1879.

G: D. (1682)

Root, A. I. The A B C of bee culture: . . . [PSYCHE, Rec., no. 1543].

Rev. (Saturday rev., 28 Feb. 1880, v. 49, p. 295, 3 cm.)

G: D. (1683)

Russell, Israel C. The fertilization of the *wistaria*. (Amer. nat., Oct. 1879, v. 13, p. 648-649.)

How *wistaria frutescens* is fertilized by *bombus* and other insects.

G: D. (1684)

Ryder, J. A. An account of a new genus of minute pauropod myriapods. (Amer. nat., Oct. 1879, v. 13, p. 603-612, il.)

Describes and figures *eurypauropus spinosus* (new genus and species from Pennsylvania), and gives a revision of the *pauropoda*.

G: D. (1685)

Ryder, J. A. Bees gathering honey from the *catalpa*. (Amer. nat., Oct. 1879, v. 13, p. 648.) *Apis mellifica* gathers honey from the nectariferous glands of *catalpa bignonioides*.

G: D. (1686)

Ryder, J. A. Note on a larval *lithobius*-like myriapod. (Amer. nat., May 1880, v. 14, p. 376.)

G: D. (1687)

Ryder, J. A. *Scolopendrella* as the type of a new order of articulates, *symphylla*. (Amer. nat., May 1880, v. 14, p. 375-376.)

Defines a new order, *symphylla*, of which *scolopendrella* is given as type.

G: D. (1688)

- Ryder, J. A.** A probable new species of *phytophaga* or gall-mite. (Amer. nat., Nov. 1879, v. 13, p. 704-705, 1 fig.)
G: D. (1689)
- Saunders, W.** Insect powder. (Can. entom., March 1879, v. 11, p. 41-43.) (Amer. nat., Sept. 1879, v. 13, p. 572-574.)
Powder of *pyrethrum* and its uses. G: D. (1690)
- DE Saussure, Henri F.** *Spicilegium entomologica genavensia*. 1. Genre *hemimerus*. [Tiré des Mémoires de la société de physique et d'histoire naturelle de Genève, tome xxvi, 2me partie.] Genève, 1879. t-p. cover, 26 p., 1 pl., 31 × 23, t 18 × 13.
Hemimerus talpoides Walker, from Sierra Leone, has one more mouth-part than insects have, and therefore is not, as has been supposed, an orthopteron. *Hemimerus* has, according to the author: 1. a labrum, 2. two mandibles, 3. two maxillae, 4. a superior labium (endolabium), 5. an inferior labium (ectolabium). Compares *hemimerus* with other insects; proposes a new order, *diploglossata*, for it; figures *hemimerus* and its parts. G: D. (1691)
- Schneck, J.** The chipping versus the European sparrow. (Amer. nat., Feb. 1880, v. 14, p. 129-130.)
Passer domesticus rarely devours larvae of *pteris rapae*; *spizella socialis* eats them readily. G: D. (1692)
[Name wrongly given as S. Schneck.] J. S.
- Scudder, S. Hubbard.** Notice of the butterflies collected by Dr. Edward Palmer in the arid regions of southern Utah and northern Arizona during the summer of 1877. (Bull. U. S. geol. and geog. surv. terr., 1878, v. 4, no. 1, p. 253-258.)
Enumerates 41 species, with localities and dates; describes the following 3 n. sp.: *neominois dionysus*, *synchloe thoosa*, *heteropterus libya*; notes on other species. B: P. M. (1693)
- Seasonable hints** [regarding the care of bees.] (Rural new yorker, 12 June 1880, v. 39, no. 24, p. 377, col. 4, 34 cm.)
Practical remarks on the care of bees in the month of June. J. D. P. (1694)
- Sections** of insects. (Amer. nat., Feb. 1873, v. 7, p. 119.)
How to prepare sections for the microscope. G: D. (1695)
- S[immonds], P. L.** The Tusser silk-worm. (Journ. applied sci., Oct. 1879, v. 10, p. 153-154, 86 cm.)
Discussion of the possibility of utilizing, to a greater extent than at present, the cocoons of the wild silk moths, species of *attacus* or *antheraea*, in India; notes and statistics from various sources. G: D. (1696)
- Snow, Frank H.** List of coleoptera collected in Colorado in June, July and August, 1876, by the Kansas university scientific expedition. (Trans. Kansas acad. sci., 1877, v. 5, p. 15-20.)
Enumerates 304 species belonging to 34 families, with notes. G: D. (1697)
- Sograff, N.** Vorläufige Mittheilungen über die Organisation der Myriapoden. (Zool. Anzeiger, 13 Jan. 1879, jahrg. 2, p. 16-18.)
Brief outline of results obtained from study of the anatomy of *cermatia*, *lithobius*, *scelopendra*, *himanatarium*, *geophilus* and *henicops*, especially of *lithobius*. G: D. (1698)
- Spengel, J. W.** Einige neue Verbesserungen am Schlitten-mikrotom. (Zool. Anzeiger, 15 Dec. 1879, jahrg. 2, p. 641-648, 4 fig.)
G: D. (1699)
- Sprague, C. J.** Insects caught by the *physianthus*. (Amer. nat., Feb. 1880, v. 14, p. 128.)
Physianthus albens captures insects. G: D. (1700)
- Sprague, H. S.** Lectures for the people. The 8th lecture before the [Buffalo] society of natural sciences. Insects. (Buffalo [N. Y.] d. courier, 26 Feb. 1877, v. 42, no. 57.)
A 2 1-2 column full report of a popular general lecture on insects. G: D. (1701)
- Statistics** of cochineal production in the Canary Islands. (New remedies, April 1880, v. 9, p. 118, 6 cm.)
From Amer. mail and export journ.; originally from Cronica de la industria [Madrid, Spain]. G: D. (1702)
- Stone, Octavius C.** A few months in New Guinea. N. Y., Harper & Bros., 1879. 25 p., 28.5 × 20.5, t (3 columns) 25 × 17.5. (Franklin sq. lib., no. 92.) pap., 10 c.
Mentions (p. 11, col. 2) natives capturing and eating head-lice (*pediculus*), and discusses (p. 17, col. 3) the comparative abundance of mosquitoes (*culex*) in different countries, temperate and tropical. Appendix gives native names of some insects. G: D. (1703)
- Stroop, S. J.** *Oestrus hominis* in Texas. (Amer. nat., July 1873, v. 7, p. 437.)
The editors of Amer. nat. determine the specimen, taken from the shoulder of a boy, to be *oestrus ovis*, or a closely allied species. G: D. (1704)
- Taylor, J. R.** Curious habit of the English sparrow. (Amer. nat., Nov. 1879, v. 13, p. 706.)
Passer domesticus captures *doryphora decentineata* on the wing. G: D. (1705)
- Th., H.** À propos de l'invasion de la *vanessa cardui* en France, dans l'été de 1879. (Feuille des jeunes naturalistes, an. 9, Oct. 1879, p. 153.)
Flights of *v. cardui*, and abundance of *plusia gamma* and of other lepidoptera in France in 1879. General notes on insect flights. G: D. (1706)
- Thomas, Cyrus.** Passage of specific characters from one genus to another. (Amer. nat. Sept. 1873, v. 7, p. 566.)
Specimens of *acrididae* from Arizona "which, in specific characters, including even color, agree exactly with *acrolophus hirtipes*, but differ in two prominent generic characters." G: D. (1707)

Tichomiroff, A. Ueber die Entwickelungsgeschichte des Seidenwurms. (Zool. Anzeiger, 3 Feb. 1879, Jahrg. 2, p. 64-67.)

Brief results of researches on *bombyx mori*, to be published later in the *Arbeiten aus dem Laboratorium des Zool. Mus. Moskau*. G: D. (1708)

Todd, James E. On certain contrivances for cross-fertilization in flowers. (Amer. nat., Jan., 1879, v. 13, p. 1-6, fig. 1-8.) Almost wholly botanical. G: D. (1709)

Torrey, Bradford. Migration of dragon flies. (Amer. nat., Feb. 1880, v. 14, p. 132-133.) Migrations seen in Weymouth and Boston, Mass. G: D. (1710)

Trade in cochineal (The). (Journ. applied sci., 1 March 1880, v. 11, p. 42, 5 cm.)

Statistics of exportation of cochineal from the Canary Islands, from 1873 to 1879, taken from *Cronica de la industria* [Madrid, Spain]. G: D. (1711)

Treat, Mary. The habits of a tarantula. (Amer. nat., Aug. 1879, v. 13, p. 485-489, 2 figs.) Figures and describes nest of *tarantula nigripes*; notes upon other habits of the species. G: D. (1712)

Treat, Mary. Observations on the sundew. (Amer. nat., Dec. 1879, v. 7, p. 705-708.) *Drosera filiformis* captures not only tiny insects but also large flies, and many moths and butterflies. G: D. (1713)

Trelease, W. The humble bee a dysteleologist among alpine flower visitors. (Amer. nat., April 1880, v. 14, p. 288-291.)

Rev. and abstract of H. Müller's "*Bombus masticator*, ein Dysteleolog unter den alpinen Blumenbesuchern" (Kosmos, Sept. 1879, bd. 5, p. 422-431) [PSYCHE, Rec. no. 1668]. G: D. (1714)

[**United States** entomological commission, Appropriations for the.] (Amer. nat., May 1879, v. 13, p. 342-343.)

G: D. (1715)

Voges, Ernst. Zur Morphologie und Anatomie der Juliden. I. Das Tracheensystem von *glomeris*. (Zool. Anzeiger, 16 Dec. 1878, Jahrg. 1, p. 361-363.)

G: D. (1716)

Wailly, Alfred. On silk-producing *bombyces* and other lepidoptera. Reprinted from the "Journal of the society of arts," February 13th and March 5th 1880. London, [March] 1880. t.-p. + 6 p., 25 × 16.5, t 21 × 13.5.

Mostly biological. *Bombyx trifolii* hibernates as developed larva in the egg; the stages in which other *bombycids* hibernate; effects of the weather, during 1879, on species of lepidoptera reared; pairing of several species, its duration, its hindrance by cold; number of eggs laid by several species, and their fertility when different species are crossed; hybrids obtained by crossing different species and the degeneracy of these hybrids in a state of confinement; more extended notes on *attacus mytila* = *antheraea papia*, the Tussar or Tusser silkworm, with brief description of eggs and six stages of the larvae. Species upon which notes are given: *actias luna*, *a. selene*, *attacus carpinii*, *a. cynthia*, *a. mytila*, *a. pernyi*, *a. pyri*, *a. roylei*, *a. spinii*, *bombyx trifolii*, *endromis versicolora*, *gortyna flavago*, *papilio alexanor*, *p. nachaon*, *p. podalirius*, *samia cecropia*, *s. gloveri*, *s. promethes*, *saturia io*, *s. maia*, *sericaria mori*, *s. yama-mai*, and *teleda polyphemus*. G: D. (1717)

Wallace, Alfred Russel. Colour in nature. [A crit. rev. of] The colour sense: its origin and development. An essay in comparative psychology. By Grant Allen, B. A. (Nature, 3 April 1879, v. 19, p. 501-505.)

Crit. rev., by R. McLachlan, entitled "Did flowers exist during the carboniferous epoch?" (Nature, 17 April 1879, v. 19, p. 554, 6 cm.)

Crit. rev., by G. Allen, entitled, "Colour in nature." (Nature, 24 April 1879, v. 19, p. 580-581, 33 cm.)

Reply to Allen's rev., by Wallace, entitled, "Remarks by the reviewer." (Nature, 24 April 1879, v. 19, p. 581, 10 cm.)

Reply to McLachlan's rev., by Wallace, entitled, "Did flowers exist..." (Nature, 24 April 1879, v. 19, p. 582, 10 cm.)

Answer to Wallace's reply to McLachlan, by McLachlan, entitled, "Did flowers exist..." (Nature, 1 May 1879, v. 20, p. 5-6, 14 cm.)

Rev. of Wallace's reply to McLachlan, entitled, "Gab es schon während..." (Kosmos [Leipzig], June 1879, bd. 5, p. 218-219, 42 cm.) G: D. (1718)

Wallace, Alfred Russel. Did flowers exist during the carboniferous epoch? (Nature, 24 April 1879, v. 19, p. 582, 10 cm.)

Crit. rev., by R. McLachlan, with same title. (Nature, 1 May 1879, v. 20, p. 5-6, 14 cm.)

Rev., entitled, "Gab es schon während der Steinkohlenzeit Schmetterlinge?" (Kosmos [Leipzig], June 1879, bd. 5, p. 218-219, 42 cm.)

Places *bregeria borinensis* among the lepidoptera, contrary to views expressed in R. McLachlan's "Did flowers exist..." (Nature, 17 April 1879, v. 19, p. 554) [PSYCHE, Rec., no. 1665]. G: D. (1719)

Wallace, Alfred Russel. Remarks by the reviewer. (Nature, 24 April 1879, v. 19, p. 581, 10 cm.)

Reply to G. Allen's "Colour in nature" (Nature, 24 April 1879, v. 19, p. 580-581) [PSYCHE, Rec., no. 1647]. Contains a few words on coloration of caterpillars. G: D. (1720)

Waterhouse, C. O. Note on the locality and synonyms of *stenotomis cornutor* Fabr., coleoptera, *lamiidae*. (Annals and mag. nat. hist., May 1878, s. 5, v. 1, p. 424.)

Gives *s. cornutor*, *s. norrisi* and *s. maculata* as synonyms. R. H. (1721)

Williston, S. Wendell. Singular habit of a meloid beetle. (Amer. nat., Jan. 1879, v. 13, p. 45.)

Tricrania stansburii found in great numbers, in Kansas, on decaying bones. G: D. (1722)

Williston, S. Wendell. Some interesting new diptera. (Trans. Conn. acad., 1880, v. 4, p. 243-246.)

Separate, with half-t.-p. cover, [New Haven, author, 1880]. p. 243-246, 23 × 15, t 17.2 × 10.3.

Describes *rhynchocephalus sackenii*, *silvius pollinosus*, *chrysops discalis*, from western North America. B: P. M. (1723)